DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

# **NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315–2590 F (786) 315–2599

www.miamidade.gov/economy

Continental Glass Systems, Inc. 325 West 74 Place Hialeah, FL 33014

### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "2200" Aluminum Sliding Glass Door – S.M.I.

**APPROVAL DOCUMENT:** Drawing No. **CGS001**, titled "Series 2200 Alum. Sliding Glass Door", sheets 1 through 09 of 09, dated 09/02/09, prepared by Building Drops, Inc., with revision "A" dated 07/13/12, signed and sealed by Hermes F. Norero, P. E., bearing the Miami—Dade County Product Control Section Revision Stamp with the Notice of Acceptance Number and Expiration Date by the Miami—Dade County Product Control Section.

#### MISSILE IMPACT RATING: Small Missile Impact Resistant

**LIMITATION:** The Minimum Specific Gravity of Wood shall be SG = 0.55.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 09–0924.18 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY
APPROVED

J.6ASON 10/2/12 NOA No. 12-0824.07 Expiration Date: February 24, 2015 Approval Date: October 11, 2012 Page 1

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 09–0924.18)
- Drawing No. CGS001, titled "Series 2200 Alum. Sliding Glass Door", sheets 1 through 09 of 09, dated 09/02/09, prepared by Building Drops, Inc., with revision "A" dated 07/13/12, signed and sealed by Hermes F. Norero, P. E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Small Missile Impact Test per FBC, TAS 201–94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
  - 7) Standard Test Methods for Deglazing Force of Fenestration Products per ASTM E 842-04
  - 8) Standard Test Method for Determination of Operating Force B of Sliding Windows and Doors per ASTM E 2068–00 (2008)

along with marked-up drawings and installation diagram of Al. SDG, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5857**, dated 09/02/09, signed and sealed by Julio E. Gonzalez, P. E.

(Submitted under previous NOA No. 09-0924.18)

#### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Building Drops, Inc., dated 08/21/12, signed and sealed by Hermes F. Norero, P. E.
- 2. Glazing complies with ASTM E1300–04

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

# E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11–1102.11 issued to Solutia, Inc. for their "Saflex Clear and Color Glass Interlayers" dated 06/14/12, expiring on 05/21/16

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0824.07

Expiration Date: February 24, 2015 Approval Date: October 11, 2012

# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### F. STATEMENTS

- 1. Statement letter of no financial interest, conformance and complying with FBC-2010, issued by Building Drops, Inc., dated 08/21/12, signed and sealed by Hermes F. Norero, P. E.
- 2. Laboratory compliance letter for Test Report No. FTL-5857, issued by Fenestration Testing Laboratory, Inc., dated 09/02/09, signed and sealed by Julio E. Gonzalez, P. E. (Submitted under previous NOA No. 09-0924.18)

### G. OTHERS

1. Notice of Acceptance No. **09–0924.18**, issued to Continental Glass Systems, Inc. for their Series "**2200 Aluminum Sliding Glass Door** – **L.M.I.**", approved on 02/24/10 and expiring on 02/24/15.

Jaime D. Gascon, P. E. Product Control Section Supervisor

NOA No. 12-0824.07

Expiration Date: February 24, 2015 Approval Date: October 11, 2012

- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION
- .3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 5/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 10.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
- A. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- B. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
- C. HOLLOW BLOCK CMU UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

# **CONTINENTAL GLASS SYSTEMS**

SERIES 2200 SLIDING GLASS DOOR (SMALL MISSILE IMPACT)

#### GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. DOOR FRAME MATERIAL: ALUMINUM 6005-T5 & 6063-T6
- IN ACCORDANCE WITH THE 2010 FBC SEC. 2003.8.4
   DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME
   INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE
   PROTECTED AS DEFINED IN SEC 2003.8.4.2.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAIL.

		TABLE OF CONTENTS
SHEET	REVISION	SHEET DESCRIPTION
1	Α	INSTALLATION & GENERAL NOTES
2	Α	ELEVATION & ANCHOR LAYOUT
3	Α	ELEVATIONS & ANCHOR LAYOUTS
4	Α	VERTICAL SECTIONS
5	Α	HORIZONTAL SECTIONS
6	Α	HORIZONTAL SECTIONS & GLAZING DETAIL
7	Α	COMPONENTS & BILL OF MATERIALS
8	Α	COMPONENTS
9	Α	CORNER ASSEMBLIES

	DESIGN PRESSURE RATING	
	DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
NON-REINFORCED	+70.0 / -70.0 PSF	SMALL MISSILE IMPACT RATED
REINFORCED	+90.0 / -90.0 PSF	SMALL MISSILE IMPACT RATED

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0824 Expiration Date 02/124/2015

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CONTINENTAL Glass Systems

325 W. 74TH PLACE HIALEAH, FL 33014 PH: (305) 231-1101 FX: (305) 231-1103

SLIDING GLASS DOOR
INSTALLATION
& GENERAL NOTES
ARED BY:
| BUILDING DROPS, INC

BY DATE

SE JLA 07.13.12 PREPARED

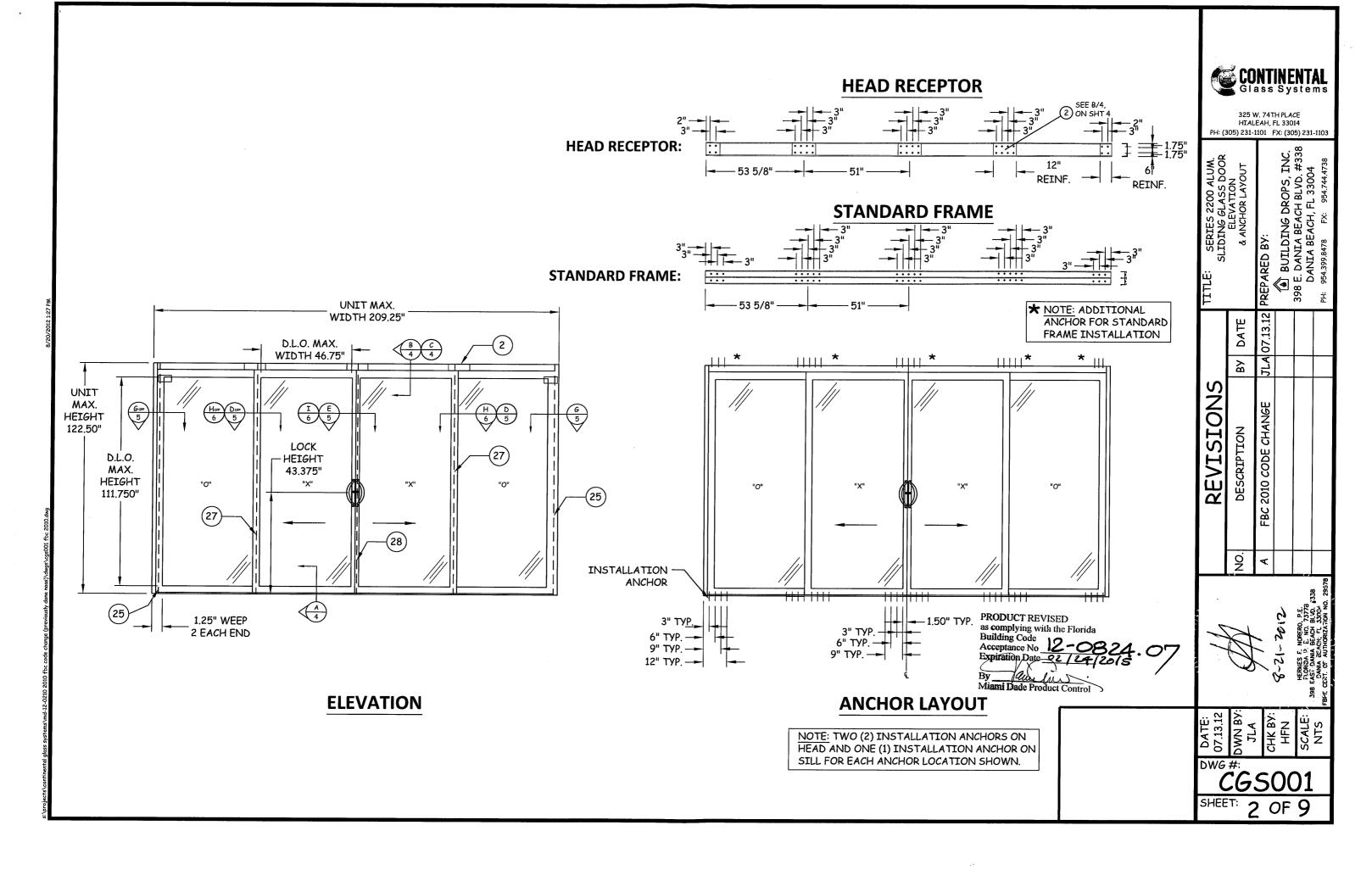
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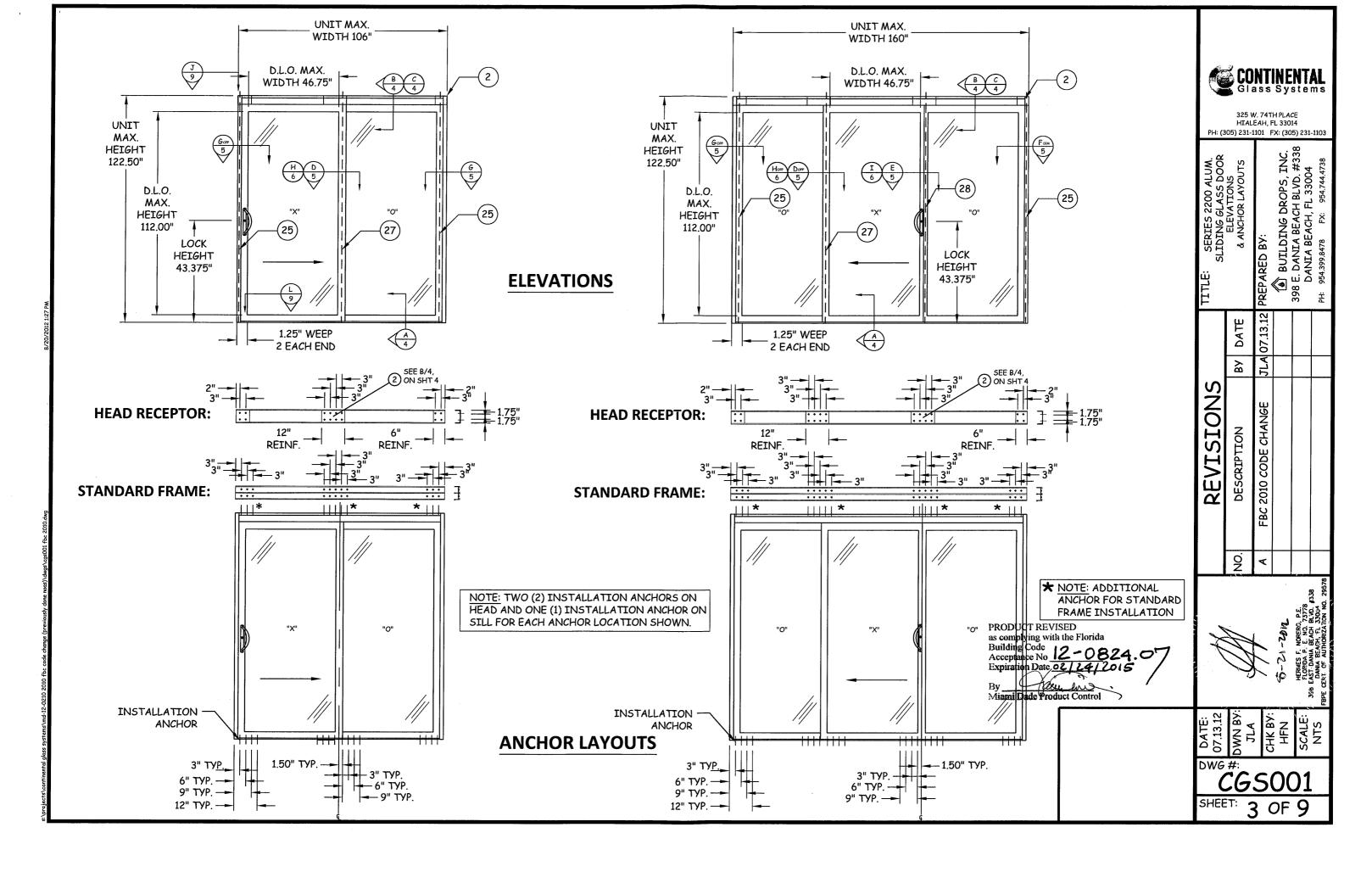
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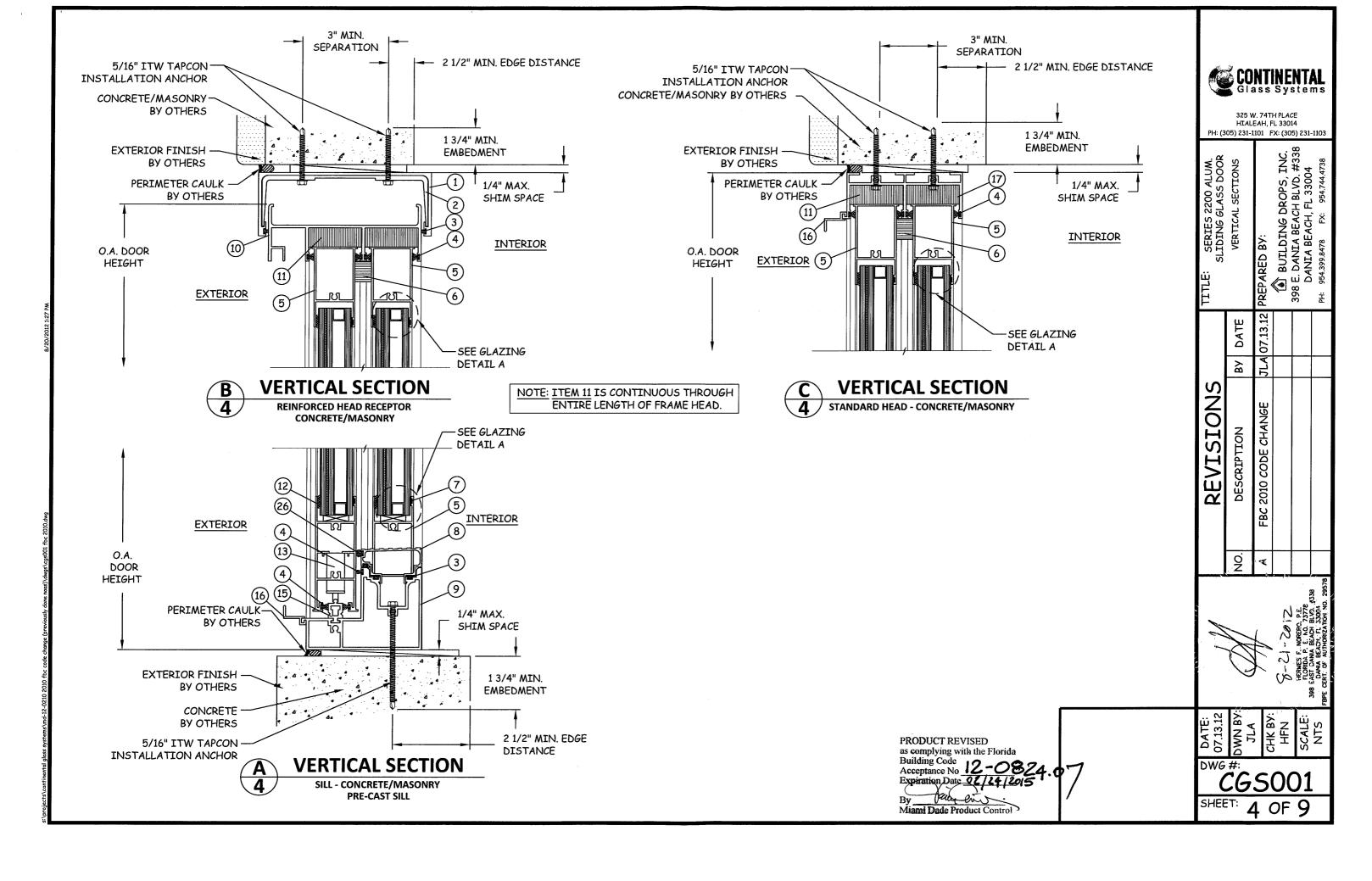
A FBC 2010 CODE CHANGE

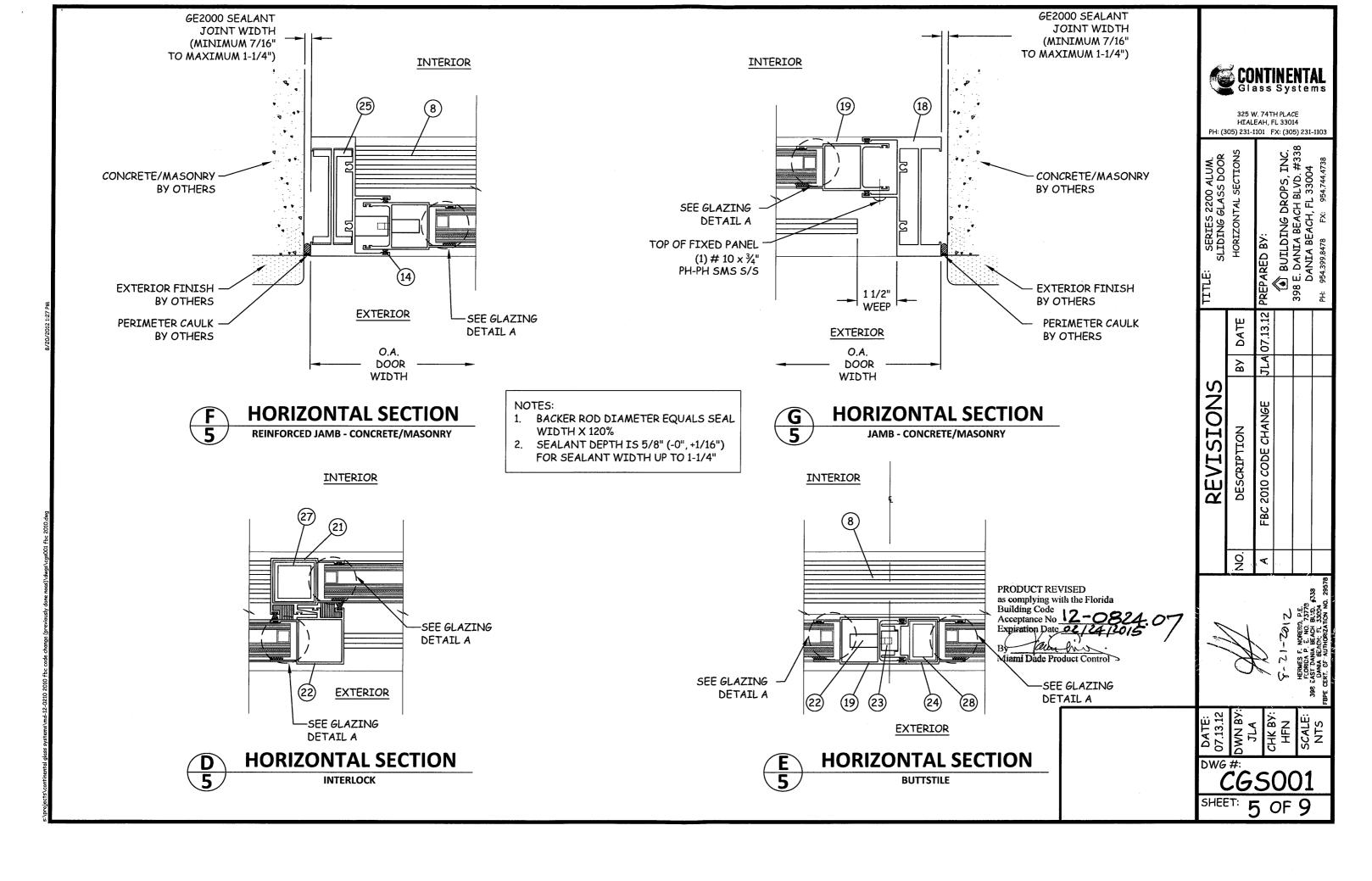
8-21-7617 8-21-7617 HEMES F. NORERO, P.E. FUGRIDA P. E. NO. 73778 398 EAST DAVIA BEACH, FI. 33004

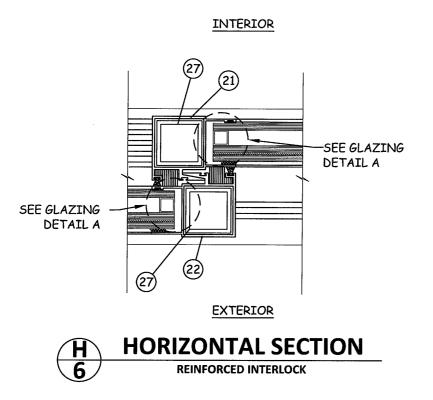
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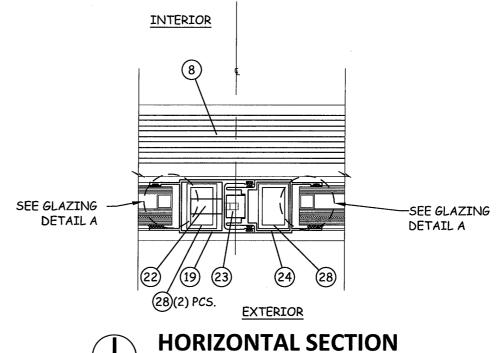


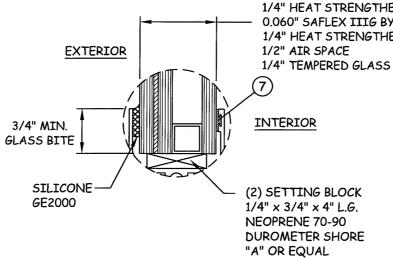












1/4" HEAT STRENGTHENED GLASS, 0.060" SAFLEX IIIG BY SOLUTIA, 1/4" HEAT STRENGTHENED GLASS

GLAZING NOTES:

1-5/16" O.A. LAMINATED GLASS

CONSISTING OF:

1. SOLUTIA SAFLEX IIIG INTERLAYER APPROVED UNDER SEPARATE NOA & MEETS FBC 2010 REQUIREMENTS.

2. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN 2010 FBC SECTION 2406.

Miami Dade Product Contro

PRODUCT REVISED as complying with the Florida **Building Code** Acceptance No 12-082

325 W. 74TH PLACE HIALEAH, FL 33014

PH: (305) 231-1101 FX: (305) 231-1103

DATE

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DESCRIPTION

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2010 CODE CHANGE

REVISION

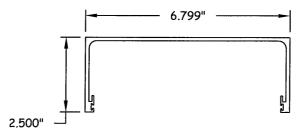
6 OF 9

**GLAZING DETAIL A** 

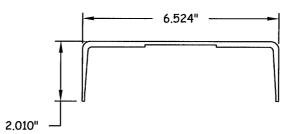
REINFORCED BUTTSTILE

	BILL O	F MATERIALS		
ITEM NO.	DESCRIPTION	PARTS NUMBERS	MATERIAL	MANUFACTURER
1	HEAD RECEPTOR	2000-07	ALUMINUM 6005-T5	CGS
2	REINFORCING	2000-16	ALUMINUM 6005-T5	CGS
3	VINYL BULB	FP-448-V	PLASTIC	
4	FIN-SEAL .370 X .187		ULTRAFAB	ULTRAFAB
5	TOP & BOTTOM PANEL STILE	2200-09	ALUMINUM 6005-T5	CGS
6	INTERLOCK PAD	P 7509 AFK	ULTRAFAB	ULTRAFAB
7	GLASS SPACING		PLASTIC	
8	THRESHOLD	2000-24	ALUMINUM 6063-T6	CGS
9	SILL	2000-03	ALUMINUM 6005-T5	CGS
10	HEAD	2000-01	ALUMINUM 6005-T5	CGS
11	HEAD PAD	P 10009 AFK	ULTRAFAB	ULTRAFAB
12	BOTTOM MOVING PANEL STILE	2200-38	ALUMINUM 6005-T5	CGS
13	WHEEL	AR-50A		
14	FIN-SEAL .250 X .187		ULTRAFAB	ULTRAFAB
15	SILL TRACK	2000-05	ALUMINUM 6005-T5	CGS
16	SCREEN TRACK	2000-15	ALUMINUM 6005-T5	CGS
17	STANDARD HEAD	2000-02	ALUMINUM 6005-T5	CGS
18	JAMB	2000-36	ALUMINUM 6063-T6	CGS
19	LOCK STILE	2200-10	ALUMINUM 6005-T5	CGS
20	INTERLOCK	2200-11	ALUMINUM 6005-T5	CGS
21	LEFT INTERLOCK	2200-17	ALUMINUM 6005-T5	CGS
22	LOCK	D-60 C		
23	KEEPER	KP-50		
24	ASTRAGAL	2200-18	ALUMINUM 6005-T5	CGS
25	ALUMINUM CHANNEL REINFORCEMENT	2200-37	ALUMINUM 6005-T5	CGS
26	Q-LON	U4332		
27	1/8" X 11/2" X 11/2" ALUMINUM TUBE	2200-38	ALUMINUM 6005-T5	CGS
28	$\frac{1}{8}$ " X 1" X $\frac{1}{2}$ " ALUMINUM TUBE	2200-39	ALUMINUM 6005-T5	CGS

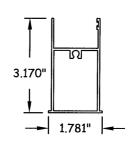
1 HEAD RECEPTOR ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .118"



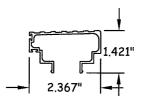
2 REINFORCING ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .188"



5 TOP & BOTTOM PANEL STILE ALUMINUM 6005-T5
TYPICAL WALL THICKNESS: .075"



8 THRESHOLD ALUMINUM 6063-T6
TYPICAL WALL THICKNESS: .075"



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0824 (Consistion Date 02/24/20/5

By January .
Miami Dade Product Control

CONTINENTAL Glass Systems

325 W. 74TH PLACE HIALEAH, FL 33014 PH: (305) 231-1101 FX: (305) 231-1103

SERIES 2200 ALUM. SLIDING GLASS DOOR COMPONENTS & BILL OF MATERIALS

BY DATE & BILL CONTROL BY: STATE OF STA

NO. DESCRIPTION BY DATE OF CHANGE JLA 07.13

F-ZI-WIZ
HERMES F-NORERO, P.E.
FLORIDA P. E. NO 133778
398 EAST DAMIA BEACH BLO. 3333
DAMIA BERCHI, FL. 33004

# 9MO BY::

TLA

CHK BY:

HFN

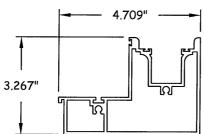
SCALE:

NTS

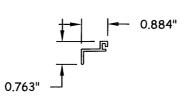
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HEET: 7 OF 9

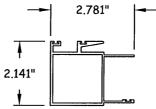




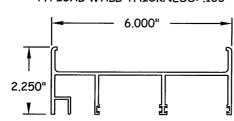
SCREEN TRACK ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .075"



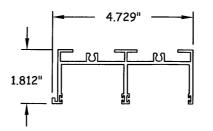
INTERLOCK ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .078"



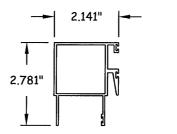
HEAD 10 ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .100"



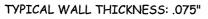
STANDARD HEAD ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .100"

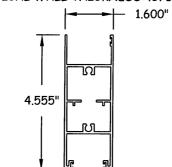


LEFT INTERLOCK ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .078"

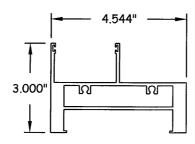


BOTTOM MOVING PANEL STILE ALUMINUM 6005-T5

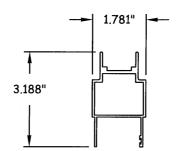




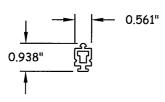
JAMB ALUMINUM 6063-T6 TYPICAL WALL THICKNESS: .075"



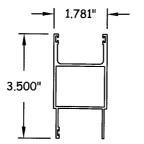
ASTRAGAL ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .078"



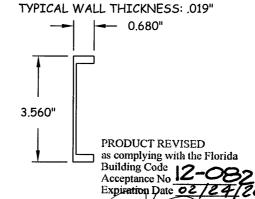
SILLTRACK ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .075"



LOCK STILE 19 ALUMINUM 6005-T5 TYPICAL WALL THICKNESS: .078"



ALUMINUM CHANNEL REINFORCMENT ALUMINUM 6005-T5



Building Code Acceptance No 12-082 4

Miami Dade Product Control

8 OF 9

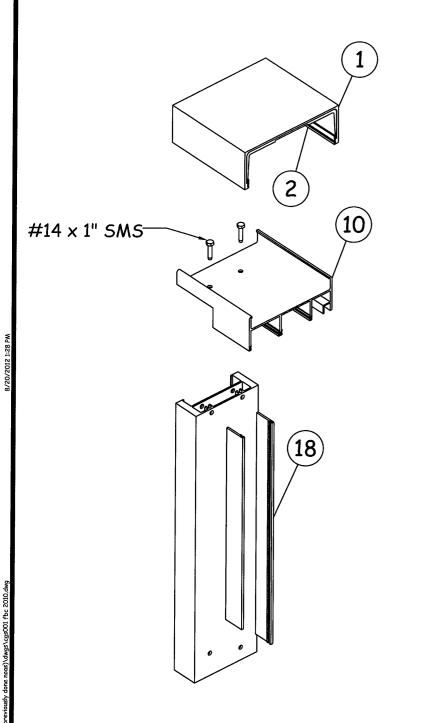
325 W. 74TH PLACE HIALEAH, FL 33014 PH: (305) 231-1101 FX: (305) 231-1103

SLIDING GLASS DOOR COMPONENTS	ARED BY:	BUILDING DROPS, INC. E. DANIA BEACH BLVD. #338
SLIDING GLA COMPON	ARED BY:	BUILDING DROE DANIA BEACH E

SLIDI		ILA 07.13.12 PREPARED BY:	BUILDI	398 E. DANIA	TO A FINA C
	DATE	07.13.12			
	ВУ	ΓLA			

	REVISIONS		
NO.	DESCRIPTION	ВУ	۵
A	FBC 2010 CODE CHANGE	JLA 07.	07.

CGS001

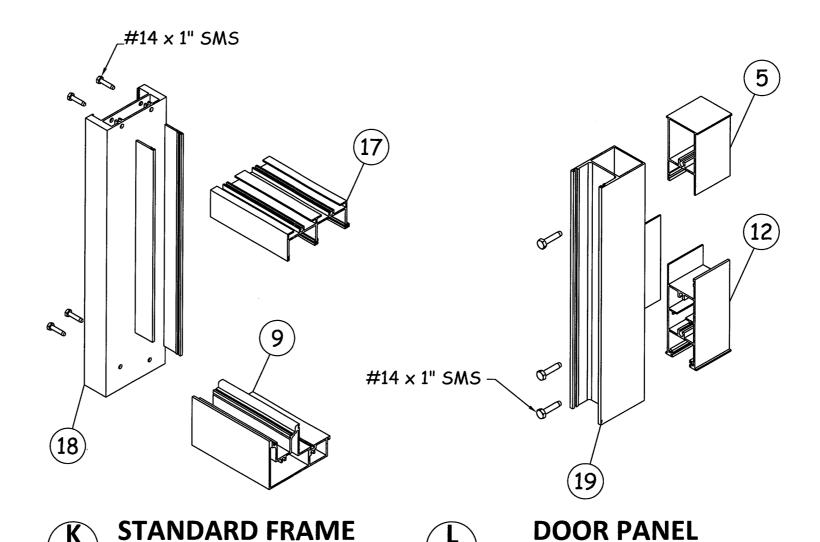




**HEAD ASSEMBLY** FRAME CONSTRUCTION 9

**HEAD & SILL ASSEMBLY** 

FRAME CONSTRUCTION



9

**TOP & BOTTOM CORNERS** 

**PANEL CONSTRUCTION** 

PRODUCT REVISED as complying with the Florida Building Code

CONTINENTAL Glass Systems

325 W. 74TH PLACE HIALEAH, FL 33014 PH: (305) 231-1101 FX: (305) 231-1103

SERIES 2200 ALUM. SLIDING GLASS DOOR CORNER ASSEMBLIES

DATE

BY

DESCRIPTION

NO.

FBC 2010 CODE CHANGE

9 OF 9

REVISIONS